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TECH CENTER

1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/237,981D

DATE: 05/27/2003

TIME: 09:12:10

Input Set : A:\valentis8002us2.txt

Output Set: N:\CRF4\05272003\I237981D.raw

3 <110> APPLICANT: Quertermous, Thomas
 4 Hogan, Brigid
 5 Snodgrass, Ralph H
 6 Zupancic, Thomas J
 8 <120> TITLE OF INVENTION: Antibodies Binding to Polypeptides Encoded by
 9 Developmentally-Regulated Endothelial Cell Locus-1
 11 <130> FILE REFERENCE: 54964.8002.US02 (238/300)
 13 <140> CURRENT APPLICATION NUMBER: US 09/237,981D
 14 <141> CURRENT FILING DATE: 1999-01-25
 16 <150> PRIOR APPLICATION NUMBER: US 08/659,235
 17 <151> PRIOR FILING DATE: 1996-06-05
 19 <150> PRIOR APPLICATION NUMBER: US 08/480,229
 20 <151> PRIOR FILING DATE: 1995-06-07
 22 <160> NUMBER OF SEQ ID NOS: 33
 24 <170> SOFTWARE: PatentIn version 3.2
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 27 <211> LENGTH: 81
 28 <212> TYPE: PRT
 29 <213> ORGANISM: mouse
 31 <400> SEQUENCE: 1
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 34 1 5 10 15
 37 Lys Asp Phe Gly Asp Val Leu Phe Val Gly Ser Tyr Lys Leu Ala Tyr
 38 20 25 30
 41 Ser Asn Asp Gly Glu His Trp Met Val His Gln Asp Glu Lys Gln Arg
 42 35 40 45
 45 Lys Asp Lys Val Phe Gln Gly Asn Phe Asp Asn Asp Thr His Arg Lys
 46 50 55 60
 49 Asn Val Ile Asp Pro Pro Ile Tyr Ala Arg Phe Ile Arg Ile Leu Pro
 50 65 70 75 80
 53 Leu
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 58 <211> LENGTH: 81
 59 <212> TYPE: PRT
 60 <213> ORGANISM: Homo sapiens
 62 <400> SEQUENCE: 2
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 68 Arg Asn Phe Gly Ser Val Gln Phe Val Ala Ser Tyr Lys Val Ala Tyr
 69 20 25 30
 72 Ser Asn Asp Ser Ala Asn Trp Thr Glu Tyr Gln Asp Pro Arg Thr Gly
 73 35 40 45
 76 Ser Ser Lys Val Phe Gln Gly Asn Leu Asp Asn Asn Ser His Lys Lys

P.6
ENTERED

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80 Asn Ile Phe Glu Lys Pro Phe Met Ala Arg Tyr Val Arg Val Leu Pro
81 65      70      75      80
84 Val
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89 <211> LENGTH: 81
90 <212> TYPE: PRT
91 <213> ORGANISM: Homo sapiens
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96 1      5      10      15
99 Lys Ser Leu Ser Ser Glu Met Tyr Val Lys Ser Tyr Thr Ile His Tyr
100      20      25      30
103 Ser Glu Gln Gly Val Glu Trp Lys Pro Tyr Arg Leu Lys Ser Ser Met
104      35      40      45
107 Val Asp Lys Ile Phe Glu Gly Asn Thr Asn Thr Lys Gly His Val Lys
108      50      55      60
111 Asn Phe Phe Asn Pro Pro Ile Ile Ser Arg Phe Ile Arg Val Ile Pro
112 65      70      75      80
115 Lys
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120 <211> LENGTH: 72
121 <212> TYPE: PRT
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127 1      5      10      15
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131      20      25      30
134 Ser Gln Asp Gly His His Trp Thr Gln Ile Leu Tyr Asn Gly Lys Val
135      35      40      45
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157 Ile Ser Lys Glu Thr Lys Lys Lys Tyr Phe Val Lys Ser Tyr Lys Val
158      20      25      30
161 Asp Ile Ser Ser Asn Gly Glu Asp Trp Ile Thr Leu Lys Gly Asp Asn
162      35      40      45
165 Lys His Leu Val Phe Thr Gly Asn Thr Asp Ala Thr Asp Val Val Tyr
166      50      55      60
169 Arg Pro Phe Ser Lys Pro Val Ile Thr Arg Phe Val Arg Leu Arg Pro

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Input Set : A:\valentis8002us2.txt

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179 <212> TYPE: PRT
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185 1                               5                               10                               15
188 Lys His Lys Glu Asn Lys Val Phe Met Arg Lys Phe Lys Ile Gly Tyr
189                               20                               25                               30
192 Ser Asn Asn Gly Thr Glu Trp Gly Met Ile Met Asp Ser Ser Lys Asn
193                               35                               40                               45
196 Lys Pro Lys Thr Phe Glu Gly Asn Thr Asn Tyr Asp Thr Pro Glu Leu
197                               50                               55                               60
200 Arg Thr Phe Ala His Ile Thr Thr Gly Phe Ile Arg Ile Ile Pro
201 65                               70                               75
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205 <211> LENGTH: 75
206 <212> TYPE: PRT
207 <213> ORGANISM: Homo sapiens
209 <400> SEQUENCE: 7
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212 1                               5                               10                               15
215 Gly Asp Ala Asp Gln Trp Val Thr Ser Tyr Lys Ile Arg Tyr Ser Leu
216                               20                               25                               30
219 Asp Asn Val Ser Trp Phe Glu Tyr Arg Asp Gly Ala Ala Ile Thr Gly
220                               35                               40                               45
223 Val Thr Asp Arg Asn Thr Val Val Asn His Phe Phe Asp Thr Pro Ile
224                               50                               55                               60
227 Arg Ala Arg Ser Ile Ala Ile His Pro Leu Thr
228 65                               70                               75
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234 <213> ORGANISM: Artificial sequence
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242 <222> LOCATION: (3)..(7)
243 <223> OTHER INFORMATION: nonconsensus sequence of SEQ.ID.NOS.1-7
245 <220> FEATURE:
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248 <223> OTHER INFORMATION: nonconsensus sequence of SEQ.ID.NOS.1-7
250 <220> FEATURE:
251 <221> NAME/KEY: MISC_FEATURE
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Input Set : A:\valentis8002us2.txt

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302 <222> LOCATION: (68)..(68)
303 <223> OTHER INFORMATION: nonconsensus sequence of SEQ.ID.NOS.1-7
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310 <220> FEATURE:
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312 <222> LOCATION: (74)..(75)
313 <223> OTHER INFORMATION: nonconsensus sequence of SEQ.ID.NOS.1-7

RAW SEQUENCE LISTING

DATE: 05/27/2003

PATENT APPLICATION: US/09/237,981D

TIME: 09:12:10

Input Set : A:\valentis8002us2.txt

Output Set: N:\CRF4\05272003\I237981D.raw

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323 1 5 10 15

326 Xaa Xaa Lys Xaa Xaa Xaa Xaa Xaa Xaa Phe Val Xaa Ser Tyr Lys Ile

327 20 25 30

330 Xaa Tyr Ser Xaa Asp Gly Xaa Xaa Trp Xaa Xaa Xaa Xaa Xaa Xaa Xaa

331 35 40 45

334 Xaa Xaa Lys Xaa Lys Val Phe Xaa Gly Asn Thr Asp Xaa Xaa Thr Xaa

335 50 55 60

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342 Xaa Pro Xaa Xaa Xaa

343 85

346 <210> SEQ ID NO: 9

347 <211> LENGTH: 2303

348 <212> TYPE: DNA

349 <213> ORGANISM: mouse

351 <400> SEQUENCE: 9

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354 ttcccagtggt ccttgatatt taaactgatt cctgccacca ggtccttggg ccaccctgtc 120

356 cctgcgtctc atatttctgc atgctgcttt gtttgatat agtgcgctcc tggcctcagg 180

358 ctgcgtcccc tccagctctc gcttcattgt tctccaagtc agaagcccc gcacccgccg 240

360 cgcagcagcg tgagccgtag tcaactgctgg ccgcttcgcc tgcgtgcgcg cacggaaatc 300

362 ggggagccag gaacccaagg agccgcgctc cgcccgctgt gcctctgcta gaccactcgc 360

364 agccccagcc tctctcaagc gcacccacct ccgcgcaccc cagctcaggc gaagctggag 420

366 tgagggtgaa tcaccctttc tctagggccca ccactctttt atcgcccttc ccaagatttg 480

368 agaagcgctg cgggaggaaa gacgtcctct tgatctctga cagggcgggg tttactgctg 540

370 tctgcaggc gcgcctcgcc tactgtgccc tccgctacga ccccggaaca gccagggtca 600

372 cgtccgtgag aagggatcat gaagcacttg gttagcagct ggcttttggt tggactcagc 660

374 ctcggggtgc ccagttcgg caaagggtgac atttgcaacc cgaaccctg tgaaaatggg 720

376 ggcactctgc tgtcaggact ggctgatgat tcccttttct gtgagtgtcc agaaggcttc 780

378 gcagggtcga actgctctag tgttgaggag gttgcatcag atgaagaaaa gcctacttca 840

380 gcagggtcct gcacccctaa cccatgccat aacggaggaa cctgtgagat aagcgaagcc 900

382 tatcgaggag acacattcat aggtatgtt tgtaaatgtc ctcggggatt taatgggatt 960

384 cactgtcagc acaatataaa tgaatgtgaa gctgagcctt gcagaaatgg cggaatatgt 1020

386 accgaccttg ttgctaacta ctcttggtgaa tgcccaggag aatttatggg acgaaattgt 1080

388 caatataaat gctctgggca cttgggaatc gaaggtggga tcatatctaa tcagcaaadc 1140

390 acagcttcat ctaatcaccg agctcttttt ggactccaga agtggtatcc ctactatgct 1200

392 cgacttaata agaagggcct tataaatgcc tggacagctg ctgaaaatga cagatggcca 1260

394 tggattcaga taaatttgca aagaaaaatg agagtcactg gtgttattac ccaaggagca 1320

396 aaaaggattg gaagcccgaa gtacataaaa tctacaaaaa ttgcctacag caatgacggg 1380

398 aagacctggg caatgtacaa agtaaaaggc accaatgaag agatggtctt tcgtggaaat 1440

400 gttgataaca acacaccata tgctaattct ttacaccccc caatcaaagc tcagtatgta 1500

402 agactctacc cccaaatttg tcgaaggcat tgtactttta gaatggaact tcttggtgtg 1560

404 gagctctcag gctgttcaga acctttgggg atgaaatcag ggcataatca agactaccag 1620

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/237,981D

DATE: 05/27/2003
TIME: 09:12:11

Input Set : A:\valentis8002us2.txt
Output Set: N:\CRF4\05272003\I237981D.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; Xaa Pos. ~~3,4,5,6,7,16,17,18,20,21,22,23,24,25,28,33,36,39,40,42,43~~
Seq#:8; Xaa Pos. ~~44,45,46,47,48,49,50,52,56,61,62,64,65,66,68,70,71,74,75~~
Seq#:8; Xaa Pos. ~~80,81,83,84,85~~
Seq#:21; Xaa Pos. 225,243,266,277
Seq#:26; Xaa Pos. 2,3,4,7,11,13,14,15,16,17,18,19,20,21,22,23,24,25,27,29
Seq#:26; Xaa Pos. 31,32,35,37,38,40
Seq#:27; N Pos. 1
Seq#:28; N Pos. 1819,1820,1821
Seq#:31; Xaa Pos. 1

VERIFICATION SUMMARY

DATE: 05/27/2003

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Input Set : A:\valentis8002us2.txt

Output Set: N:\CRF4\05272003\I237981D.raw

L:322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
M:341 Repeated in SeqNo=8
L:1024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:224
M:341 Repeated in SeqNo=21
L:1189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
M:341 Repeated in SeqNo=26
L:1213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:1298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:1800
L:1524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0